

Patent Claims

1. Device for improving the view in a motor vehicle, with a radiation source for illumination of the vehicle environment with infrared radiation, an infrared sensitive camera for detecting at least a part of the illuminated vehicle environment, with a IR-filter associated with a camera and with a display for representing the image information acquired by the camera, wherein the IR-filter area exhibits different or varying transmission characteristics, thereby characterized, that at least one area of the IR-filter is almost transmissive for visible light or a part thereof.
2. Device for improving the view in a motor vehicle according to Claim 1, thereby characterized, that the IR-filter exhibits at least one area with a degree of transmission of approximately or greater than 10^{-3} for visible light or parts thereof.
3. Device for improving the view in a motor vehicle according to Claim 2, thereby characterized, that the at least one area is provided at the edge area of the IR-filter.
4. Device for improving the view in a motor vehicle according to Claim 2, thereby characterized, that the at least one area is provided in the central area of the IR-filter.
5. Device for improving the view in a motor vehicle according to one of Claims 2 through 4, thereby characterized, that the at least one area of the IR-filter comprises less than 25% of the surface of the IR-filter.

6. Device for improving the view in a motor vehicle according to one of Claims 2 through 5, thereby characterized, that the at least one area of the IR-filter exhibits the shape of a circle, a star, a quadrilateral, a circle segment, a section of a circle or a ring.
7. Device for improving the view in a motor vehicle according to one of Claims 2 through 5, thereby characterized, that the at least one area of the IR-filter is formed by a hole in the IR-filter or a clearance or open area in the coating of the IR-filter.
8. Device for improving the view in a motor vehicle according to one of the preceding claims, thereby characterized, that the IR-filter exhibits at least a second area with a degree of transmissivity of approximately or less than 10^{-5} for visible light.